



TTCC1 series Moulded Case Circuit Breakers are mainly applied to distribution systems, rated insulation voltage 690V /1000V, rated current up to 250A. Provides excellent and flawless protection in power system distribution. Protects against overload, short-circuit, under-voltage, etc. with high breaking capacity up to 35KA. Also used as infrequent ON/OFF switch in normal condition.

MAIN CHARACTERISTICS

- Breaking capacity up to 70kA
- Upgraded reliability
- Exceptional current limiting design
- Trip free mechanism
- A range of internal & external accessories
- Contact position indication

APPLICATIONS



Domestic



Renewable



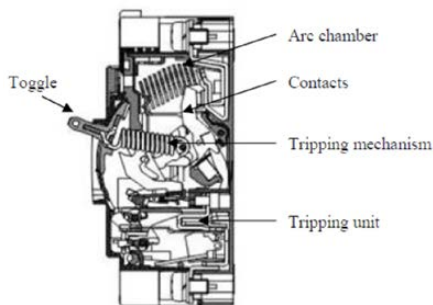
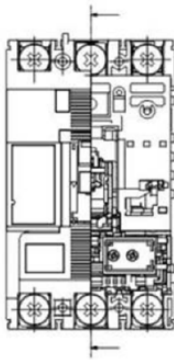
Industrial



Telecoms



Railways

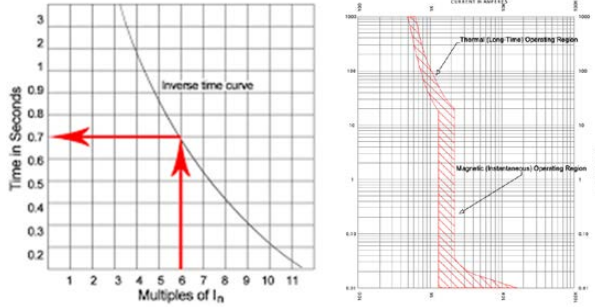


MECHANICAL FEATURES

Standard	IS/IEC 60947-2
Electrical life	4000
Mechanical life	10000/ 6 per minute
Protection degree	IP65
Ambient Temperature	-5°C to +40°C

INSTALLATION

Terminal connection type	Cable/U-Type busbar/Pin-Type busbar
Terminal size top/bottom for cable	mm ² 25 AWG 18-3
Terminal size top/bottom for busbar	mm ² 25 mm ² 18-3
Tightening torque	N*m 2 In-lbs. 18
Mounting	DIN Rail EN 60715(35mm)



ELECTRICAL CHARACTERISTICS

TTCC1

Rated current, I_n , Range	[A]	63, 80, 100, 125, 160, 200, 250
Poles	3, 4	
Rated operational Voltage (Max.), U_e AC	[V]	690
DC		[V] 250
Rated impulse withstand Voltage, U_{imp}	[kV]	8
Rated insulation voltage, U_i	[V]	1000
Reference Standard	IS/IEC60947-2	
Rated ultimate short Circuit breaking capacity, I_{cu}	100%	

AC 50 HZ

	220/240V	[kA]	35
	380/415V	[kA]	25
	440/460V	[kA]	15
	480/500V	[kA]	10
	600/690V	[kA]	8
DC (3 Pole in Series)	250 V	[kA]	25
Rated service breaking capacity I_{cs} as % I_{cu}	100%		
Trip Unit (Release)	Yes		
	- Fixed Magnetic Unit (FMU)	Yes	
	- Adjustable Thermal Magnetic (ATM)	Yes	
	- Magnetic Unit (MTU)	Yes	
	- Adjustable Microprocessor (ETM)	Yes	
Isolation Usage	Yes		
Total Opening Time	<10m sec.		
Mechanical Life [operation]	20000		
Electrical Life [operation]	5000/ 4000		